

# Economy Report - 2017

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## *Cambodia*

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## SECTION 1 – Organisation and structure for metrology

### Organisation Structure

#### 1. National Metrology Center

NMCC - National Metrology Center (Cambodia) was established under Metrology Law, which was approved by Royal Decree No. 0809/016 dated 11 August 2009 and was started on 22 April 2011 by sub-degree for managing all activities and services related to metrology such as Scientific Metrology, Legal Metrology and Industrial Metrology. NMCC operates under the Ministry of Industry and Handicraft, having the level of a General Department and its own specific stamp.

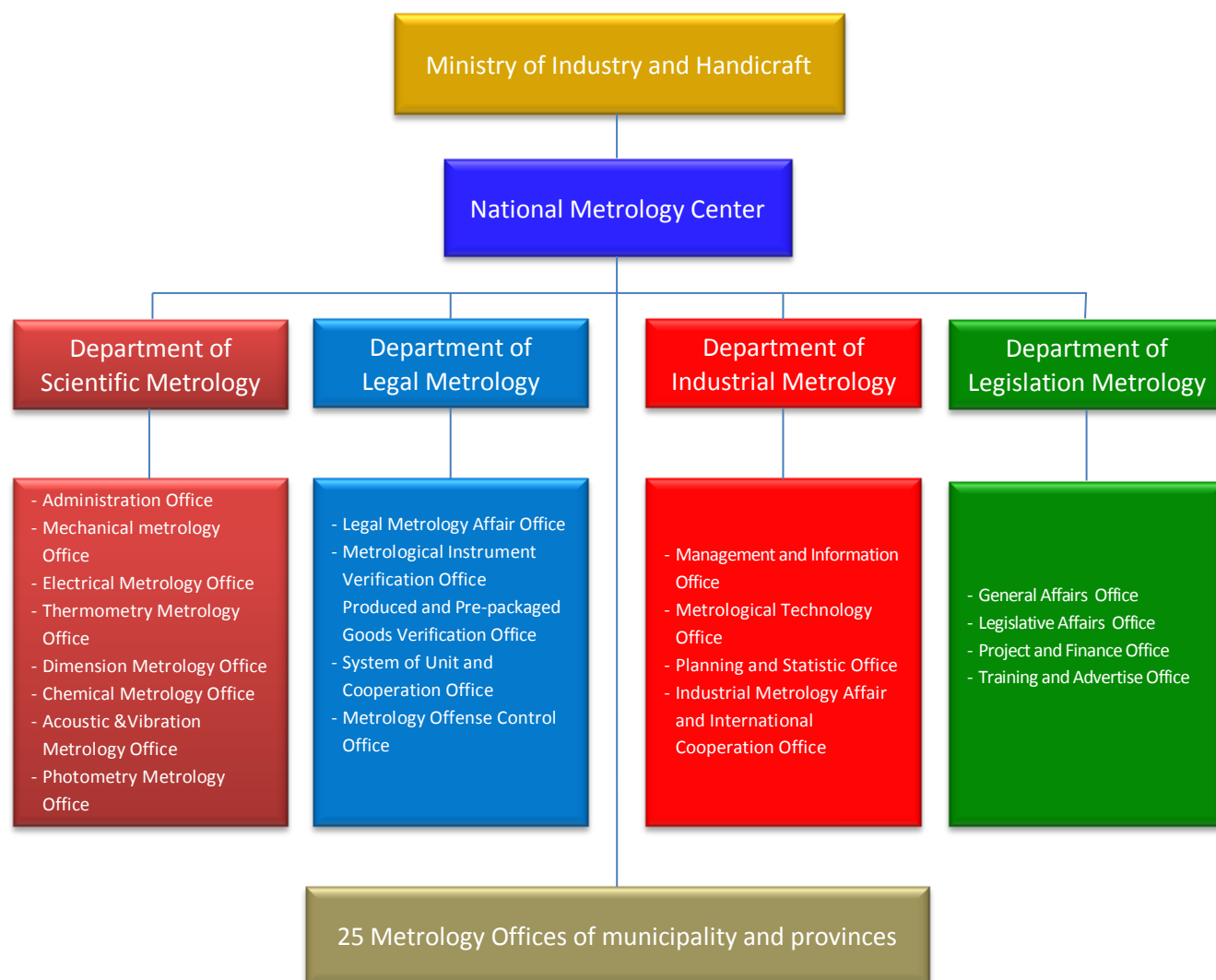
#### 2. Legal Metrology Department

Department of Legal Metrology has the responsibility for all legal metrology activities and acts under direction of National Metrology Center, Ministry of Industry and Handicraft. The department of legal metrology has the roles and the duties as the following:

- Being a chief of staff of national metrology center on the legal metrology work.
- Managing, maintaining and protecting the working standards.
- Preparing and implementing the strategy policy and the plan for developing the legal metrology work.
- Researching, cooperating in preparing the legal norms and administrative procedures in order to enhance the efficiency of the metrology work.
- Organizing, coordinating and managing the creation and the use of national system of legal units of metrology and the other unit systems in the Kingdom of Cambodia.
- Verifying and indicating the minimum and maximum capacity on weight and/or measure of metrological instruments permitted to be used or in possession for the use in trade activities and other fields based on the national system of legal units of metrology.
- Implementing regulation of the sale, the exposure for sale or the use of metrological instruments and all kind of produced, pre-packaged goods in accordance with the legal norm and metrology law of Cambodia.
- Controlling, advising manufacturers, traders to correct in producing, repairing, importing and the use of all kinds of metrology instruments and improving the produced and pre-packaged goods related to the metrology.
- Verifying and indicating the conformity of weight and measure of produced and pre-packaged goods that circulates in the Kingdom of Cambodia and that are exported in accordance with the detailed conditions of pre-packaged goods related to the metrology.
- Controlling and evaluating the result of the work implementation related to the metrology.
- Implementing the cooperation work with the national and international institutions in order to harmonize the work of metrology.
- Preparing the report of the work activities of the department to national metrology center as defined.
- Undertaking the other duties assigned by chief of the institution

### 3. Provincial Metrology Offices

Currently, there are 25 Metrology Offices of Municipality and Provinces under provincial department of Industry and Handicraft. The offices have responsibility for verifying and indicating the minimum and maximum capacity on weight and/or measure of metrological instruments permitted to be used or in possession for the use in trade activities and other fields based on the national system of legal units of metrology which has been transferred by Ministry of Industry and Handicraft.



### Legislative Frameworks

National Metrology Center (Cambodia) was established under Metrology Law, which was approved by Royal Degree No. 0809/016 dated 11 August 2009 and was started on 22 April 2011 by sub-degree for managing all activities and services related to metrology such as Scientific Metrology, Legal Metrology and Industrial Metrology. NMCC operates under the Ministry of Industry and Handicraft, having the level of a General Department and its own specific stamp.

All metrological works of NMC are stipulated by the Metrology Law of Cambodia and shall cover the implementation of manufacturing, importation, installation, use, repairs, maintenance and the exposure for sale of metrological instruments, produced and pre-packaged goods within the Kingdom of Cambodia.

NMC has established some proclamations (Prakas) related to Legal Metrology as the following:

- Organizing and Functioning of the Department of Legal Metrology
- Technical regulation on verification of Fuel Dispenser
- Technical regulation on verification of Non Automatic Weighing Instruments (NAWI)
- Technical regulation on verification of quantity and label of produced and pre-packaged goods
- Technical regulation on verification of water meter
- Technical regulation on verification of Kilowatt meter
- Technical regulation on verification road tanker
- Verification mark on metrological instruments
- Draft of technical regulation on verification of grain moisture instrument
- Draft of metrology offense control and transitional penalty

## International arrangements and engagement

### 1. Annual Meeting

- Asean Consultative Committee on Standard and Quality (ACCSQ WG3 on Legal Metrology)
- Asia-Pacific Legal Metrology Forum (APLMF)
- CIML Meeting

### 2. Workshop and official visit

- APEC training workshop on Solar Cell and LED Measurement Standard and Technology from 28 to 30 March 2017 in China
- Joint APMP + APLMF workshop/MEDEA Validation Workshop from 22 to 25 May 2017 in Malaysia
- Verification of Taxi Meter and Water Meter from 03 to 12 July 2017 in China
- MEDEA course on Verification of Rice Moisture Meters from 17 to 21 July 2017 in Malaysia
- MEDEA course on Verification of Bulk Flow Metering Systems using a Master Meter from 24 to 27 July 2017 in Thailand
- Sakura Exchange Program in Science from 27 August to 03 September 2017 in Japan
- MEDEA course on Verification of Weighbridges from 26 to 29 September 2017 in Beijing, People's Republic of China
- APEC workshop on Capacity Building of Measurement Standards and Technologies in Grain Food Safety from 12 to 13 October 2017 in Beijing, People's Republic of China

## SECTION 2 – Key activities of 2017

### Working with industry

NMC and PTB have jointly organized a workshop on National Quality Infrastructure to private companies in Phnom Penh, Cambodia in 2017. The workshop is extremely important for economic growth by encouraging private sectors to ensure competitive products and services.

## Protecting consumers

NMC has published Metrology Law of Cambodia. The objective of this law is to determine the mechanism and rules of the management of metrology within the Kingdom of Cambodia. The main purpose of this law shall:

- Assure a good and fair trade
- Create the correct use of metrological instruments
- Assure the best interest between suppliers and users of products, goods, and services
- Assure the improvement of the quality of goods, products, services and management.
- Determine the identification and removal of Technical barriers to trade and harmonization of trade transactions within the framework of legal metrology.
- Create a credible environment for the use of metrological instruments in trade activities and other fields of health, safety and environment.
- Facilitate the development of science and technique for economic development

## SECTION 3 – Future focus

### New initiatives planned (next 1-2 years)

- To improve the metrology to be core components in participating in the development of industry, services, science, and technology into the vital basis of enforcement of the economic growth.
- To harmonize national legislation with regional and international norm for supporting free trade and international market competition in order to contribute to economic development of the country.
- To increase, strengthen and expand the capability of NMC and NMC's branches of municipality and provinces by improving standard and metrology services in order to be qualified and build the public trust, assure fair trade competition and effectively and efficiently ensure consumer protection.

### Emerging issues – challenges and opportunities

- Lack of human resources and limited of skills: testing, pattern approval, and verification (Establishing of Metrology training center and need some support from international donor)
- Lack of facilities to conduct the testing and verification.( To determine about the regulation of possession for the use of metrological instruments in trade activities and other fields in the Kingdom of Cambodia)
- Lack of technical assistance (Experts)
- Limited to budget from government
- Lack of Primary, Secondary and Working Standards
- Lack of budget to procure the requirement standards
- Public awareness raising on metrology law (Providing Metrological knowledge to the people of Cambodia (1) Providing faith and trust on Cambodian products to national, regional, and international market, and assure a good and fair trade (2) Making

metrology field contribute to strengthen and expand industry and handicraft sectors in Cambodia and (3) Providing metrology service with high responsibility)

- Determining the penalties for people who do not obey the metrology law
- Controlling additional device for fuel dispensers (software system)
- Law enforcement